




# Antibiogram of Selected Pathogens, South Dakota 2014

Gram positive organisms								
	Staphylococcus aureus†	Methicillin-susceptible S. aureus (MSSA)	Methicillin-resistant S. aureus (MRSA)	Group A Streptococcus	Group B Streptococcus	Streptococcus pneumoniae	Enterococcus faecalis	Enterococcus faecium
	% Susceptible and (n) number of isolates tested							
Ertapenem						98% (80)		
Imipenem						90% (10)		
Meropenem						92% (85)		
Amoxicillin/Clavulanic acid						100% (59)	100% (55)	
Cefepime				100% (1)	100% (8)	100% (10)		
Cefotaxime				100% (1)	100% (12)	97% (197)		
Ceftriaxone				80% (5)	98% (58)	98% (821)		
Ampicillin				100% (24)	99% (208)	100% (1)	99% (2437)	18% (339)
Oxacillin‡	57% (3344)	100% (3537)	0% (2463)	100% (19)		80% (20)	100% (1)	
Penicillin‡	7% (2328)	17% (1032)	0% (1028)	100% (8)	99% (207)	88% (838)	97% (2659)	14% (447)
Ciprofloxacin	64% (3407)	86% (602)	35% (650)				71% (3211)	9% (503)
Levofloxacin	63% (2710)	83% (624)	37% (665)	96% (27)	99% (311)	99% (851)	73% (3288)	11% (503)
Ofloxacin	58% (592)		0% (124)		100% (5)	91% (23)		
Chloramphenicol		93% (137)	94% (87)	100% (1)	100% (8)	99% (79)	92% (13)	
Clindamycin	76% (2680)	79% (3506)	67% (2387)	81% (27)	46% (209)	90% (249)		
Daptomycin	100% (902)	100% (231)	97% (158)		100% (8)		100% (314)	86% (7)
Erythromycin	45% (3256)	52% (3461)	15% (2538)	67% (27)	39% (111)	44% (835)	15% (1365)	5% (364)
Gentamicin	99% (3394)	100% (623)	99% (834)				69% (420)	96% (55)
Linezolid	100% (3262)	99% (1031)	98% (1024)	100% (4)	100% (193)	100% (238)	99% (1938)	99% (419)
Nitrofurantoin*	100% (2899)	99% (3263)	99% (2400)				99% (3274)	30% (487)
Rifampin	99% (3243)	100% (674)	99% (860)				73% (117)	19% (27)
Trimethoprim/Sulfamethoxazole	99% (3848)	98% (3473)	99% (2588)			71% (834)	15% (73)	
Tetracycline	94% (3846)	95% (3457)	95% (2523)	100% (1)	22% (73)	86% (326)	24% (3050)	19% (482)
Vancomycin	100% (3843)	100% (3521)	100% (2588)	100% (27)	100% (240)	100% (856)	99% (3414)	43% (522)

\*Urine isolates only  
†From laboratories which did not separate MRSA and MSSA. Data included in this column is not included in the MSSA or MRSA columns.  
‡Only reported oxacillin and penicillin for Staph. aureus based on CLSI guidelines  
CLSI recommends reporting data only if 30 or more isolates analyzed, less than 30 isolates are reported for completeness

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Gram negative organisms							
 SOUTH DAKOTA DEPARTMENT OF HEALTH  South Dakota State University College of Pharmacy	Salmonella spp.	Klebsiella pneumoniae	Pseudomonas aeruginosa	Escherichia coli	Extended spectrum beta-lactamase (ESBL) E. coli†	Proteus spp.	Shigella spp.
	Antibiotic						
Ertapenem		99% (1365)		99% (6549)	100% (281)	99% (338)	
Imipenem		99% (1416)	80% (747)	99% (7021)	100% (18)	71% (337)	
Meropenem		100% (1962)	90% (1758)	100% (9398)	100% (88)	100% (412)	
Amoxicillin/Clavulanic acid		96% (269)		89% (1764)		95% (88)	
Ampicillin/Sulbactam		89% (2863)		67% (17494)	15% (106)	87% (1125)	
Cefazolin		96% (4243)		92% (23491)	2% (106)	91% (1393)	
Cefdinir		100% (11)					
Cefepime		98% (3838)	92% (1936)	98% (22048)	0% (106)	96% (1245)	
Cefotaxime		97% (916)	35% (144)	97% (4233)		96% (314)	
Ceftazidime		98% (3745)	93% (2261)	98% (21287)	1% (106)	97% (1509)	
Ceftriaxone		98% (3816)	38% (848)	97% (23656)	0% (106)	96% (1380)	98% (153)
Ampicillin	74% (35)	1% (1777)	0% (202)	60% (23986)	0% (106)	83% (1353)	95% (176)
Piperacillin/Tazobactam		97% (3987)	97% (2006)	97% (20087)	90% (106)	100% (1260)	
Ciprofloxacin	100% (37)	97% (4202)	80% (2488)	83% (24203)	13% (399)	73% (1278)	100% (179)
Levofloxacin	100% (4)	97% (3857)	77% (2261)	83% (21433)	13% (399)	79% (1190)	
Ofloxacin	100% (3)			91% (539)		67% (21)	
Clindamycin		100% (73)				87% (166)	
Erythromycin		100% (230)					
Tobramycin		94% (3310)	96% (2031)	95% (19033)	54% (399)	92% (1247)	
Gentamicin		99% (3993)	90% (2486)	94% (24199)	63% (399)	90% (1489)	
Linezolid							
Nitrofurantoin*		35% (3253)	1% (204)	95% (20051)	71% (311)	0% (1073)	
Rifampin							
Trimethoprim/Sulfamethoxazole	100% (33)	93% (4039)	1% (303)	80% (24200)	33% (399)	81% (1444)	7% (177)
Tetracycline		86% (947)	38% (8)	78% (3404s)		6% (80)	88% (137)
		>5% increase in susceptibility from last year		>5% decrease in susceptibility from last year			
*Urine isolates only							
†Data only from four laboratories.							